RAW SEQUENCE LISTING

EFS

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/574770
Source:	1920
Date Processed by STIC:	3/15/07
Date 110000000 of D110.	

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RAW SEQUENCE LISTING DATE: 03/15/2007
PATENT APPLICATION: US/10/574,770 TIME: 14:41:48

Input Set : N:\efs\03_15_07\10574770_efs\seqlistforfiling.TXT
Output Set: N:\CRF4\03152007\J574770.raw

Ide, Susan Lavedan, Christian 6 8 <120> TITLE OF INVENTION: USE OF GENETIC POLYMORPHISMS THAT ASSOCIATE WITH EFFICACY OF TREATMENT OF INFLAMMATORY DISEASE 12 <130> FILE REFERENCE: 33389 US-PCT 14 <140> CURRENT APPLICATION NUMBER: 10/574,770 15 <141> CURRENT FILING DATE: 2006-04-06 17 <150> PRIOR APPLICATION NUMBER: 60/508,971 18 <151> PRIOR FILING DATE: 2003-10-06 20 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/011124 21 <151> PRIOR FILING DATE: 2005-05-06 23 <160> NUMBER OF SEQ ID NOS: 22 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0 27 <210> SEQ ID NO: 1 28 <211> LENGTH: 53 29 <212> TYPE: DNA 30 <213> ORGANISM: Homo sapiens 32 <220> FEATURE: 33 <221> NAME/KEY: variation 34 <222> LOCATION: (1)...(53) 35 <223> OTHER INFORMATION: TNF locus variant (T at position -1031) 37 <221> NAME/KEY: variation 38 <222> LOCATION: (23)...(0) 39 <223> OTHER INFORMATION: T W-->41<400>153 42 agcaaaggag aagctgagaa gatgaaggaa aagtcagggt ctggaggggc ggg 44 <210> SEQ ID NO: 2 45 <211> LENGTH: 53 46 <212> TYPE: DNA 47 <213> ORGANISM: Homo sapiens 49 <220> FEATURE: 50 <221> NAME/KEY: variation 51 <222> LOCATION: (1)...(53) 52 <223> OTHER INFORMATION: TNF locus variant (C at position -1031) 54 <221> NAME/KEY: variation 55 <222> LOCATION: (23)...(0) 56 <223> OTHER INFORMATION: C W--> 58 < 400 > 2.59 agcaaaggag aagctgagaa gacgaaggaa aagtcagggt ctggaggggc ggg 53 61 <210> SEQ ID NO: 3 62 <211> LENGTH: 48 63 <212> TYPE: DNA

4 <110> APPLICANT: McCullough, Karen

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     66 <220> FEATURE:
     67 <221> NAME/KEY: variation
     68 <222> LOCATION: (1)...(48)
     69 <223> OTHER INFORMATION: LTA locus variant (C)
     71 <221> NAME/KEY: variation
     72 <222> LOCATION: (20)...(0)
     73 <223> OTHER INFORMATION: C
W--> 75 <400> 3
                                                                            48
     76 gtgagcagca ggtttgaggc tgctgtgggc aagatgcatc ttggggtg
     78 <210> SEQ ID NO: 4
     79 <211> LENGTH: 48
     80 <212> TYPE: DNA
     81 <213> ORGANISM: Homo sapiens
     83 <220> FEATURE:
     84 <221> NAME/KEY: variation
     85 <222> LOCATION: (1)...(48)
     86 <223> OTHER INFORMATION: LTA locus variant (A; ASN60THR)
     88 <221> NAME/KEY: variation
     89 <222> LOCATION: (20)...(0)
     90 <223> OTHER INFORMATION: A
W--> 92 < 400 > 4
                                                                            48
     93 gtgagcagca ggtttgagga tgctgtgggc aagatgcatc ttggggtg
     95 <210> SEQ ID NO: 5
     96 <211> LENGTH: 50
     97 <212> TYPE: DNA
     98 <213> ORGANISM: Homo sapiens
     100 <220> FEATURE:
     101 <221> NAME/KEY: variation
     102 <222> LOCATION: (1)...(50)
     103 <223> OTHER INFORMATION: CCR2 locus variant (G)
     105 <221> NAME/KEY: variation
     106 <222> LOCATION: (10)...(0)
     107 <223> OTHER INFORMATION: G
W--> 109 < 400 > 5
                                                                             50
     110 atgctggtcg tcctcatctt aataaactgc aaaaagctga agtgcttgac
     112 <210> SEQ ID NO: 6
     113 <211> LENGTH: 50
     114 <212> TYPE: DNA
     115 <213> ORGANISM: Homo sapiens
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     118 <221> NAME/KEY: variation
     119 <222> LOCATION: (1)...(50)
     120 <223> OTHER INFORMATION: CCR2 locus variant (A; VAL64ILE)
     122 <221> NAME/KEY: variation
     123 <222> LOCATION: (10)...(0)
     124 <223> OTHER INFORMATION: A
W--> 126 < 400 > 6
                                                                             50
     127 atgctggtca tcctcatctt aataaactgc aaaaagctga agtgcttgac
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Input Set: N:\efs\03_15_07\10574770_efs\seqlistforfiling.TXT

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130 <211> LENGTH: 702
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo sapiens
134 <220> FEATURE:
135 <221> NAME/KEY: CDS
136 <222> LOCATION: (1)...(702)
137 <223> OTHER INFORMATION: Tumor necrosis factor alpha (TNFalpha) mRNA
          coding region
140 <400> SEQUENCE: 7
141 atg agc act gaa agc atg atc cgg gac gtg gag ctg gcc gag gag gcg
142 Met Ser Thr Glu Ser Met Ile Arg Asp Val Glu Leu Ala Glu Glu Ala
145 ctc ccc aag aag aca ggg ggg ccc cag ggc tcc agg cgg tgc ttg ttc .
146 Leu Pro Lys Lys Thr Gly Gly Pro Gln Gly Ser Arg Arg Cys Leu Phe
                 20
                                     25
149 ctc agc ctc ttc tcc ttc ctg atc gtg gca ggc gcc acc acg ctc ttc
                                                                       144
150 Leu Ser Leu Phe Ser Phe Leu Ile Val Ala Gly Ala Thr Thr Leu Phe
                                 40
153 tgc ctg ctg cac ttt gga gtg atc ggc ccc cag agg gaa gag ttc ccc
                                                                       192
154 Cys Leu Leu His Phe Gly Val Ile Gly Pro Gln Arg Glu Glu Phe Pro
157 agg gac ctc tct cta atc agc cct ctg gcc cag gca gtc aga tca tct
                                                                       240
158 Arg Asp Leu Ser Leu Ile Ser Pro Leu Ala Gln Ala Val Arg Ser Ser
159 65
                         70
                                                                       288
161 tct cga acc ccg agt gac aag cct gta gcc cat gtt gta gca aac cct
162 Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro
                     85
165 caa gct gag ggg cag ctc cag tgg ctg aac cgc cgg gcc aat gcc ctc
                                                                       336
166 Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu
                100
                                    105
169 ctg gcc aat ggc gtg gag ctg aga gat aac cag ctg gtg gtg cca tca
                                                                       384
170 Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser
171
                                120
173 gag ggc ctg tac ctc atc tac tcc cag gtc ctc ttc aag ggc caa ggc
                                                                       432
174 Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe Lys Gly Gln Gly
                            135
177 tgc ccc tcc acc cat gtg ctc ctc acc cac acc atc agc cgc atc gcc
                                                                       480
178 Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile Ser Arg Ile Ala
                                             155
                                                                 160
179 145
                        150
181 gtc tcc tac cag acc aag gtc aac ctc ctc tct gcc atc aag agc ccc
                                                                       528
182 Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro
                    165
                                         170
185 tgc cag agg gag acc cca gag ggg gct gag gcc aag ccc tgg tat gag
                                                                       576
186 Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu
                180
                                     185
189 ccc atc tat ctg gga ggg gtc ttc cag ctg gag aag ggt gac cga ctc
190 Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu
191
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193 agc gct gag atc aat cgg ccc gac tat ctc gac ttt gcc gag tct ggg
                                                                       672
194 Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe Ala Glu Ser Gly
                           215
       210
                                                                       702
197 cag gtc tac ttt ggg atc att gcc ctg tga
198 Gln Val Tyr Phe Gly Ile Ile Ala Leu *
                        230
199 225
202 <210> SEQ ID NO: 8
203 <211> LENGTH: 233
204 <212> TYPE: PRT
205 <213> ORGANISM: Homo sapiens
207 <400> SEQUENCE: 8
208 Met Ser Thr Glu Ser Met Ile Arg Asp Val Glu Leu Ala Glu Glu Ala
210 Leu Pro Lys Lys Thr Gly Gly Pro Gln Gly Ser Arg Arg Cys Leu Phe
                                    25
211
212 Leu Ser Leu Phe Ser Phe Leu Ile Val Ala Gly Ala Thr Thr Leu Phe
                                40
           35
214 Cys Leu Leu His Phe Gly Val Ile Gly Pro Gln Arg Glu Glu Phe Pro
                            55
216 Arg Asp Leu Ser Leu Ile Ser Pro Leu Ala Gln Ala Val Arg Ser Ser
                                            75
218 Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro
219
220 Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu
                                    105
                100
222 Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser
           115
                                120
224 Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe Lys Gly Gln Gly
                            135
226 Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile Ser Arg Ile Ala
                        150
                                            155
228 Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro
                                        170
                                                . .
                    165
230 Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu
                180
                                    185
232 Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu
            195
                                200
233
234 Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe Ala Glu Ser Gly
                            215
        210
236 Gln Val Tyr Phe Gly Ile Ile Ala Leu
                        230
237 225
240 <210> SEQ ID NO: 9
241 <211> LENGTH: 1793 . .
242 <212> TYPE: DNA
243 <213> ORGANISM: Homo sapiens
245 <220> FEATURE:
246 <221> NAME/KEY: CDS
247 <222> LOCATION: (74)...(1201)
248 <223> OTHER INFORMATION: beta-actin expression (ACTB) mRNA coding region
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Input Set : N:\efs\03_15_07\10574770_efs\seqlistforfiling.TXT

Output Set: N:\CRF4\03152007\J574770.raw

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251 cgcgtccgcc ccgcgagcac agagcctcgc ctttgccgat ccgccgcccg tccacac	ccg 60
252 ccgccagete ace atg gat gat ate gee geg ete gte gae aac	109
Met Asp Asp Ile Ala Ala Leu Val Val Asp Asn	
254 1 5 10	
256 ggc tcc ggc atg tgc aag gcc ggc ttc gcg ggc gac gat gcc ccc cg	g 1157
257 Gly Ser Gly Met Cys Lys Ala Gly Phe Ala Gly Asp Asp Ala Pro Ar	
258 15 20 25	
260 gcc gtc ttc ccc tcc atc gtg ggg cgc ccc agg cac cag ggc gtg at	g 205
261 Ala Val Phe Pro Ser Ile Val Gly Arg Pro Arg His Gln Gly Val Me	
262 30 35 40	
264 gtg ggc atg ggt cag aag gat tee tat gtg ggc gac gag gec cag ag	c 253
265 Val Gly Met Gly Gln Lys Asp Ser Tyr Val Gly Asp Glu Ala Gln Se	
266 45 50 55 6	
268 aag aga ggc atc ctc acc ctg aag tac ccc atc gag cac ggc atc gt	-
268 and aga gge are see acc seg and the see are gag sac gge are ge 269 Lys Arg Gly Ile Leu Thr Leu Lys Tyr Pro Ile Glu His Gly Ile Va	
	-
	t 349
272 acc aac tgg gac gac atg gag aaa atc tgg cac cac acc ttc tac aa 273 Thr Asn Trp Asp Asp Met Glu Lys Ile Trp His His Thr Phe Tyr As	
271	c 397
276 gag ctg cgt gtg gct ccc gag gag cac ccc gtg ctg ctg acc gag gc	
277 Glu Leu Arg Val Ala Pro Glu Glu His Pro Val Leu Leu Thr Glu Al	a
278 95 100 105	. 445
280 ccc ctg aac ccc aag gcc aac cgc gag aag atg acc cag atc atg tt	
281 Pro Leu Asn Pro Lys Ala Asn Arg Glu Lys Met Thr Gln Ile Met Ph	Е
282 110 115 120	- 402
284 gag acc ttc aac acc cca gcc atg tac gtt gct atc cag gct gtg ct	
285 Glu Thr Phe Asn Thr Pro Ala Met Tyr Val Ala Ile Gln Ala Val Le	
286 125 130 135 14	
288 tee etg tae gee tet gge egt ace act gge ate gtg atg gae tee gg	
289 Ser Leu Tyr Ala Ser Gly Arg Thr Thr Gly Ile Val Met Asp Ser Gl	Y
290 145 150 : 155	
292 gac ggg gtc acc cac act gtg ccc atc tac gag ggg tat gcc ctc cc	
293 Asp Gly Val Thr His Thr Val Pro Ile Tyr Glu Gly Tyr Ala Leu Pr	0
294 160 165 170	
296 cat gcc atc ctg cgt ctg gac ctg gct ggc cgg gac ctg act gac ta	
297 His Ala Ile Leu Arg Leu Asp Leu Ala Gly Arg Asp Leu Thr Asp Ty	r
298 175 180 185	
300 ctc atg aag atc ctc acc gag cgc ggc tac agc ttc acc acc acg gc	c 685
301 Leu Met Lys Ile Leu Thr Glu Arg Gly Tyr Ser Phe Thr Thr Al	a
302 190 195 200	
304 gag cgg gaa atc gtg cgt gac att aag gag aag ctg tgc tac gtc gc	c 733
305 Glu Arg Glu Ile Val Arg Asp Ile Lys Glu Lys Leu Cys Tyr Val Al	a
306 205 210 215 22	
308 ctg gac ttc gag caa gag atg gcc acg gct gct tcc agc tcc tcc ct	g 781
309 Leu Asp Phe Glu Gln Glu Met Ala Thr Ala Ala Ser Ser Ser Le	
310 225 230 235	
312 gag aag agc tac gag ctg cct gac ggc cag gtc atc acc att ggc aa	t 829
313 Glu Lys Ser Tyr Glu Leu Pro Asp Gly Gln Val Ile Thr Ile Gly As	~

VERIFICATION SUMMARY

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Input Set : N:\efs\03_15_07\10574770_efs\seqlistforfiling.TXT

Output Set: N:\CRF4\03152007\J574770.raw

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